

ACKNOWLEDGEMENT

Receipt is acknowledged of the amendment to the claims filed 3/24/2011, which amendment has been entered.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert Converse on April 8, 2011.

The application has been amended as follows:

Claim 1, line 18, replaced the phrase "by" with --by a simulation--.

Claim 1, lines 19-20, replaced the phrase "each maximum value in the transportation command does not" with --maximum speeds in the transportation command do not--.

Claim 3, lines 21-22, replaced the phrase "each maximum value in the transportation command does not" with --maximum speeds in the transportation command do not--.

REASONS FOR ALLOWANCE

Claims 1-3 are allowed.

The following is an examiner's statement of reasons for allowance: the best prior art of record does not teach or fairly suggest a system / method / computer readable

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medium for controlling a crane drive unit wherein, based on expressions 1 and 2 recited in each of claims 1-3, a component near the resonance frequency is removed by using parameters $a_i(f)$ and $b_j(f)$, which are determined under a constraint condition that maximum speeds in the transportation command do not exceed a limitation of a maximum value of the crane drive unit.

CONTACT INFORMATION

Any inquiry concerning this or any earlier communication from the examiner should be directed to Examiner Peter Nolan, whose telephone number is 571-270-7016. The examiner can normally be reached Monday-Friday from 7:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black, can be reached at 571-272-6956. The fax number for the organization to which this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Peter D Nolan/

/Thomas G. Black/

Examiner, Art Unit 3661

Supervisory Patent Examiner, Art Unit 3661

4/8/2011